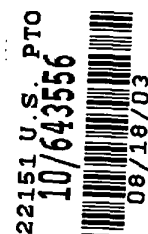


Docket No. IL-11072Customer No. 24981

Commissioner for Patents
Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):
Jesse D. Wolfe and Steven R. Bryan Jr.



For (title): PROCESS AND APPARATUS FOR PULSED DC MAGNETRON
REACTIVE SPUTTERING OF THIN FILM COATINGS ON LARGE
SUBSTRATES USING SMALLER SPUTTER CATHODES

1. Type of Application

- ☒ This new application is for an original patent.
- ☐ This new application is a:
 - ☐ Division
 - ☐ Continuation
 - ☐ Continuation-in-part (CIP)

2. Benefit of Prior U.S. Application(s) (35 USC 120)

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s).

3. ☒ Benefit under 35 U.S.C. 119(e) of United States provisional application(s) listed below: 60/403902 filed 8/16/2002
Application Serial No. Filing Date

4. Papers enclosed which are required for filing Date Under 37 CFR 1.53(b).

14 Pages of specification
6 Pages of claims
1 Pages of abstract
2 Sheets of drawings
☒ formal

5. Additional papers enclosed

- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement
- ☐ Form PTO-1449

6. Declaration or oath

- ☒ Enclosed and executed by
- ☒ inventors
 - ☐ legal representative of inventor(s) 37 CFR 1.42 or 1.43
- ☐ Not Enclosed

7. Assignment

- ☒ An assignment of the invention to The Regents of the University of California.
- ☒ is attached
 - ☐ will follow

8. Certified Copy

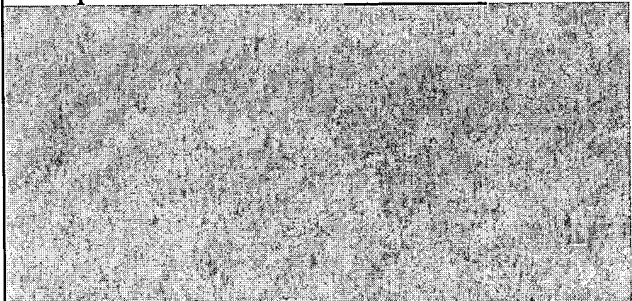
Certified copy(ies) of application(s)

(country)	(application no.)	(filed)
(country)	(application no.)	(filed)

from which priority is claimed

- ☐ is(are) attached.
- ☐ will follow

9. Fee Calculation

CLAIMS AS FILED					
Type of Claim	Number Filed	Included in Basic Fee	Number Extra	Rate	Total Fee
Total Claims	24	-20 =	4 x	\$18 =	\$ 72.00
Independent Claims	2	-3 =	x	\$84 =	\$ 00.00
				Multiple Claims	= \$
				Basic Filing Fee	= \$ 750.00
				Sub-Total	= \$ 822.00
				Small Entity Filing Fee	= \$ 411.00

10. Small Entity Statement(s)

- ☒ Verified Statement that this is a filing by small entity under 37 CFR 1.9 and 1.27 is available upon request.
- ☐ Copy of Verified Statement that this is a filing by small entity under 37 CFR 1.9 and 1.27 filed in prior application. Status still proper and desired.

Filing Fee Calculation (50% of regular filing fee) \$ 411.00

11. Fee Payment

- ☐ Not Enclosed
- ☒ Enclosed (See Account No. Below)

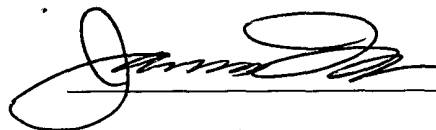
Total Basic Filing Fees To Be Paid \$ 411.00

12. Method of Payment of Fees

- ☐ Check in the Amount of \$ _____
- ☒ Charge Account No. 12-0695 in the amount of \$ 411.00
- A duplicate of this transmittal is attached.**

13. Instructions As To Overpayment/Underpayment

- ☒ credit/charge
- Account No. 12-0695
- ☐ refund



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Dated: 8-18-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jesse D. Wolfe et al.

Attorney Docket No.: IL-11072

Serial No. :

Art Unit:

Filed :

Examiner:

For : PROCESS AND APPARATUS FOR PULSED DC MAGNETRON
REACTIVE SPUTTERING OF THIN FILM COATINGS ON LARGE
SUBSTRATES USING SMALLER SPUTTER CATHODES

Commissioner for Patents
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number EL268202695US

Date of Deposit 8/18/2003


I hereby certify that the following *attached*

1. New Application Transmittal (in duplicate) (3 pages)
2. Application
(Specification 14 pages, Claims 5 pages, Abstract 1 page, Combined
Declaration Power of Attorney 3 pages; Two (2) sheets of formal
drawings)
3. Certificate of Mailing (1 page)
4. Return postcard

is being deposited with the United States Postal Service "Express Mail Post Office to addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop: Patent Application, Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450

Teresa Walls

(Type or print name of person mailing paper)



(Signature of person mailing paper or fee)